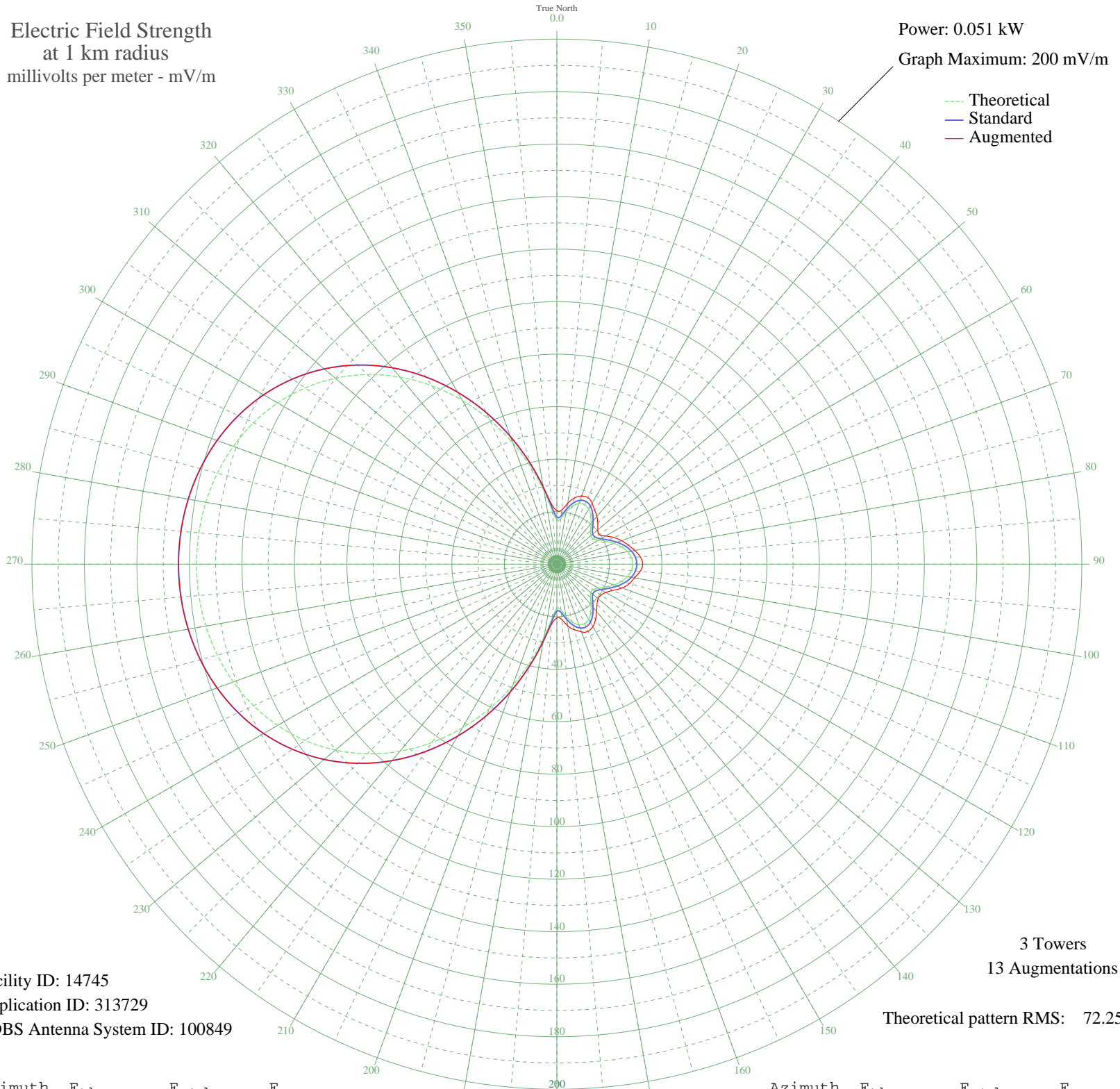


# WATB DECATUR, GA BL-- 1420 kHz

Nighttime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 0.051 kW  
Graph Maximum: 200 mV/m



Facility ID: 14745  
Application ID: 313729  
CDBS Antenna System ID: 100849

3 Towers  
13 Augmentations  
Theoretical pattern RMS: 72.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	16.88	17.90	20.40
5	17.44	18.48	20.68
10	20.15	21.30	23.46
15	22.84	24.11	26.13
20	24.55	25.89	27.62
25	24.98	26.35	27.97
30	24.21	25.54	26.83
35	22.49	23.74	25.10
40	20.27	21.42	23.71
45	18.14	19.21	22.03
50	16.82	17.83	20.37
55	16.87	17.88	19.64
60	18.29	19.36	21.42
65	20.57	21.74	24.00
70	23.12	24.40	26.20
75	25.47	26.86	28.15
80	27.33	28.80	30.08
85	28.51	30.04	31.92
90	28.91	30.46	32.71
95	28.51	30.04	31.83
100	27.33	28.80	30.05
105	25.47	26.86	28.61
110	23.12	24.40	26.45
115	20.57	21.74	23.60
120	18.29	19.36	21.51
125	16.87	17.88	20.54
130	16.82	17.83	20.52
135	18.14	19.21	21.63
140	20.27	21.42	23.55
145	22.49	23.74	25.69
150	24.21	25.54	27.40
155	24.98	26.35	28.18
160	24.55	25.89	27.44
165	22.84	24.11	25.87
170	20.15	21.30	23.81
175	17.44	18.48	21.16

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	16.88	17.90	20.50
185	20.63	21.80	22.92
190	28.24	29.76	29.76
195	38.13	40.11	40.11
200	49.17	51.69	51.69
205	60.63	63.71	63.71
210	72.00	75.64	75.64
215	82.88	87.06	87.06
220	93.00	97.68	97.68
225	102.13	107.27	107.27
230	110.18	115.71	115.71
235	117.08	122.96	122.96
240	122.84	129.01	129.01
245	127.52	133.92	133.92
250	131.19	137.77	137.77
255	133.92	140.64	140.64
260	135.81	142.62	142.62
265	136.91	143.78	143.78
270	137.28	144.16	144.16
275	136.91	143.78	143.78
280	135.81	142.62	142.62
285	133.92	140.64	140.64
290	131.19	137.77	137.77
295	127.52	133.92	133.92
300	122.84	129.01	129.01
305	117.08	122.96	122.96
310	110.18	115.71	115.71
315	102.13	107.27	107.27
320	93.00	97.68	97.68
325	82.88	87.06	87.06
330	72.00	75.64	75.64
335	60.63	63.71	63.71
340	49.17	51.69	51.69
345	38.13	40.11	40.11
350	28.24	29.76	29.76
355	20.63	21.80	22.87

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission